

**Area of Impact: Health**

3. Hospital administrators would like to introduce new technologies to improve medical care in hospitals. One proposal is to improve the communications and the flow of information between staff. As a trial four intensive care doctors have been given PDAs such as *BlackBerry®* devices which are used as part of a wireless handheld e-mail system. Nurses log onto their desktops to communicate with doctors. This system has been tested for over a year at the ICU (Intensive Care Unit) of *Trillium Health Centre* in Mississauga, Canada.

<p><b>IMAGE REMOVED FOR COPYRIGHT REASONS</b></p>	<p><b>IMAGE REMOVED FOR COPYRIGHT REASONS</b></p>
<p>[Source: <a href="http://www.mobilevillage.com/yp/case_skyscape_drexel.htm">www.mobilevillage.com/yp/case_skyscape_drexel.htm</a>, 28 September 2007]</p>	<p>[Source: <a href="http://www.BlackBerry.com/newsletters/connection/business_solutions/i4-2007/corner-office-qa.shtml">http://www.BlackBerry.com/newsletters/connection/business_solutions/i4-2007/corner-office-qa.shtml</a>, 28 September 2007]</p>

- (a) Identify **two** hardware features of a PDA. [2 marks]
- (b) Describe **two** ways the new hospital wireless system can be protected from intrusion. [4 marks]
- (c) Explain **one** advantage and **one** disadvantage of the introduction of these *BlackBerry®* devices in the hospital. [4 marks]
- (d) Discuss the implications for the hospital if these *BlackBerry®* or similar devices were given to staff in all hospital areas. [10 marks]